

## ABSTRACT OF DISCLOSURE

The present invention allows the cell shape of any base station in operation to be changed, thereby enabling services to be provided according to the needs. A mobile terminal attempts to synchronize with a perch channel to thereby check whether or not it can receive the signal, thereby determining whether it belongs to the cell of the base station. The mobile terminal uses the GPS to obtain location information to identify the location and notifies a cell control apparatus of results for cell determinations and location information. The cell control apparatus selects a base station for which the corresponding cell shape is to be changed, on the basis of the results for cell determinations and the location information. The cell control apparatus instructs the selected base station to change its cell shape. The base station changes its cell shape according to the instruction.